

Title (en)  
ELECTROSURGICAL GENERATOR AND SUCTION APPARATUS.

Title (de)  
GENERATOR UND ABSAUGAPPARAT FÜR DIE ELEKTROCHIRURGIE.

Title (fr)  
GENERATEUR ET APPAREIL D'ASPIRATION ELECTROCHIRURGICAUX.

Publication  
**EP 0582650 A4 19940324 (EN)**

Application  
**EP 92911302 A 19920318**

Priority

- US 69356091 A 19910430
- US 9202343 W 19920318

Abstract (en)  
[origin: WO9219168A1] An electrosurgical unit (10) which combines an electrosurgical power generator and a filtered smoke removal system into a single compact instrument comprising an electrosurgical generator module (12) and a smoke removal module (14). The electrosurgical generator module (12) is designed specifically to accommodate an electrosurgical tool (73) during LEEP or LLETZ procedures. The electrosurgical generator module (12) provides power to the electrosurgical tool (78) at a predetermined level. The smoke removal module (14) removes and filters smoke from the site of the electrosurgery. A switching circuitry (60) activates the smoke removal module (14) substantially simultaneous to the activation of the electrosurgical tool (78) so that the smoke removal module (14) is activated automatically whenever the electrosurgical tool is activated. The switching circuitry (60) also delays the deactivation of the smoke removal module (14) after the electrosurgical tool (78) has been deactivated. The electrosurgical tool (78) alternatively can be connected, concentrically or in parallel, to a smoke evacuation tube (80) in communication with the smoke removal module (14).

IPC 1-7  
**A61B 17/39**

IPC 8 full level  
**A61B 18/12** (2006.01); **A61B 17/42** (2006.01); **A61B 18/00** (2006.01); **A61B 18/14** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)  
**A61B 18/1206** (2013.01 - EP US); **A61B 18/14** (2013.01 - EP US); **A61B 2018/1407** (2013.01 - EP US); **A61B 2090/062** (2016.02 - EP US); **A61B 2218/008** (2013.01 - EP US)

Citation (search report)

- [A] US 4911159 A 19900327 - JOHNSON JEFFREY W [US], et al
- See references of WO 9219168A1

Cited by  
CN104013466A

Designated contracting state (EPC)  
BE DE ES FR GB IT NL

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**WO 9219168 A1 19921112**; AU 1920192 A 19921221; AU 656387 B2 19950202; CA 2107230 A1 19921031; CA 2107230 C 19960618; DE 69216084 D1 19970130; DE 69216084 T2 19970724; EP 0582650 A1 19940216; EP 0582650 A4 19940324; EP 0582650 B1 19961218; ES 2098512 T3 19970501; JP H06506618 A 19940728; US 5160334 A 19921103

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